

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notificati	ion of Transmittal of International Search Report SA/220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT CH 03/00809	09/12/2003	10/12/2002
Applicant		
AEE SCHWEIZ AG		
according to Article 18. A copy is being t	transmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consist X It is also accompanied b	ts of a total of sheets. by a copy of each prior art document cited in	this report.
Basis of the report		
 With regard to the language, the language in which it was filed, ur 	e international search was carried out on the inless otherwise indicated under this item.	basis of the international application in the
the international search Authority (Rule 23.1(b)).	was carried out on the basis of a translation	of the international application furnished to this
was carried out on the basis of the	the sequence listing:	ne international application, the international search
	tional application in written form.	
	ternational application in computer readable	form.
<u> </u>	to this Authority in written form.	
=	to this Authority in computer readble form.	
international application	ubsequently furnished written sequence listin as filed has been furnished.	
the statement that the inf furnished	formation recorded in computer readable for	m is identical to the written sequence listing has been
2. Certain claims were for	und unsearchable (See Box I).	
3. Unity of invention is lac	cking (see Box II).	
4. With regard to the title,		
	submitted by the applicant.	
	ished by this Authority to read as follows:	
INSULATED GATE SEMICO	NDUCTOR DEVICE AND METHOD	OF MAKING THE SAME
5. With regard to the abstract,		
	ubmitted by the applicant.	
the text has been establis		nority as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the drawings to be pub		6
as suggested by the appl	licant.	None of the figures.
X because the applicant fail	led to suggest a figure.	<u> </u>
because this figure better	r characterizes the invention.	

Form PCT/ISA/210 (first sheet) (July 1998)



Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An insulated gate semiconductor device comprising a semiconductor substrate (1) having a top surface and an insulated gate (21,22) formed on the top surface from a layered structure (2) that comprises at least one electrically insulating layer (22), wherein at least one strip (41, 42) of the layered structure (2) is disposed on an area of the top surface between an edge of the insulated gate (21,22) and a first main contact (6). A manufacturing method for an insulated gate semiconductor device comprising the steps of forming a cell window (3) in said layered structure (2), forming at least one process mask (51) that partially covers the cell window (3) and extends to at least partially cover said at least one strip (41, 42) of the layered structure said at least one strip (41, 42) serving as an edge for the at least one process mask (51).

INTERNATIONAL SEARCH REPORT



PCT 03/00809

A. CLASS	IFICATION OF SUBJECT MATTER		
IPC 7	H01L29/739 H01L21/331 H01L29/	/423 H01L29/417	
	o International Patent Classification (IPC) or to both national classif	ication and IPC	
Minimum de	SEARCHED ocumentation searched (classification system followed by classification system followed by classif	ation symbols)	
IPC 7	H01L	,	
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields s	earched
	ata base consulted during the international search (name of data t	ase and, where practical, search terms used	1)
EPO-In	ternal		
!			
C POCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
		Sievalii passages	nelevani (o Gaini No.
Α	PATENT ABSTRACTS OF JAPAN		1,2 √
	vol. 012, no. 069 (E-587),		
	3 March 1988 (1988-03-03) -& JP 62 211955 A (MITSUBISHI EL	ECTRIC	
,	CORP), 17 September 1987 (1987-0		
	abstract; figures 1A-1I 		
Α	PATENT ABSTRACTS OF JAPAN		1,2 √
	vol. 012, no. 099 (E-594), 31 March 1988 (1988-03-31)		•
	-& JP 62 229977 A (TOSHIBA CORP)		
	8 October 1987 (1987-10-08)	,	
	abstract; figures 1A-1D,2A-2D 		
Α	US 5 703 383 A (NAKAYAMA K)		1-3
	30 December 1997 (1997-12-30) column 10, line 65 -column 11, l	ina 20.	V
	figures 11,12	THE 20;	
			
. Furth	er documents are listed in the continuation of box C.	γ Patent family members are listed	in annex.
° Special cat	egories of cited documents :	*T* later document published after the inter	rnational filing date
conside	nt defining the general state of the art which is not ered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or the invention	the application but eory underlying the
	ocument but published on or after the international	*X* document of particular relevance; the cl	laimed invention
which is	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another	cannot be considered novel or cannot involve an inventive step when the doc	cument is taken alone
citation O docume	or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cl cannot be considered to involve an inv document is combined with one or mo	entive step when the
other m "P" documer	eans of published prior to the international, filing date but	ments, such combination being obviou in the art.	s to a person skilled
later tha	an the priority date claimed	*&* document member of the same patent f	
Date of the a	ctual completion of the international search	Date of mailing of the international sea	rch report
18	February 2004	26/02/2004	•
Name and m	ailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Morvan, D	

INTERNATIONAL SEARCH REPORT

Informat patent family members

	Application No
PCT	03/00809

Patent document cited in search report		Publication date	Patent family Publication member(s) date
JP 62211955	Α	17-09-1987	NONE
JP 62229977	Α	08-10-1987	NONE
US 5703383	Α	30-12-1997	JP 3338276 B2 28-10-2002 JP 8340103 A 24-12-1996 JP 2002329867 A 15-11-2002